

Title (en)  
COMBINATIONS OF ACTIVE SUBSTANCES WITH INSECTICIDAL AND ACARICIDAL PROPERTIES

Title (de)  
WIRKSTOFFKOMBINATIONEN MIT INSEKTIZIDEN UND AKARIZIDEN EIGENSCHAFTEN

Title (fr)  
COMBINAISONS D'AGENTS A PROPRIETES INSECTICIDES ET ACARICIDES

Publication  
**EP 2582242 A1 20130424 (DE)**

Application  
**EP 11725462 A 20110616**

Priority  
• US 35622410 P 20100618  
• EP 10166439 A 20100618  
• EP 2011059988 W 20110616  
• EP 11725462 A 20110616

Abstract (en)  
[origin: US2011311503A1] The novel active ingredient combinations which consist of the compounds of the formula (I) in combination with further active insecticidal ingredients (II) are very suitable for control of animal pests such as insects and/or unwanted acarids.

IPC 8 full level  
**A01N 43/56** (2006.01); **A01N 43/713** (2006.01); **A01N 63/50** (2020.01); **A01P 7/00** (2006.01); **A61K 31/4439** (2006.01)

CPC (source: EP US)  
**A01N 37/34** (2013.01 - US); **A01N 37/36** (2013.01 - US); **A01N 43/08** (2013.01 - EP US); **A01N 43/12** (2013.01 - US); **A01N 43/22** (2013.01 - US); **A01N 43/40** (2013.01 - US); **A01N 43/50** (2013.01 - US); **A01N 43/54** (2013.01 - US); **A01N 43/56** (2013.01 - EP US); **A01N 43/68** (2013.01 - US); **A01N 43/707** (2013.01 - US); **A01N 43/713** (2013.01 - EP US); **A01N 43/88** (2013.01 - US); **A01N 43/90** (2013.01 - US); **A01N 47/22** (2013.01 - US); **A01N 47/30** (2013.01 - US); **A01N 47/38** (2013.01 - US); **A01N 47/44** (2013.01 - US); **A01N 53/00** (2013.01 - US); **A01N 57/12** (2013.01 - US); **A01N 57/16** (2013.01 - US); **A01N 57/28** (2013.01 - US); **A01N 63/50** (2020.01 - EP US); **A61K 31/4439** (2013.01 - EP US); **A61K 31/661** (2013.01 - EP US); **A61K 31/70** (2013.01 - EP US); **A61K 45/06** (2013.01 - EP); **A61K 45/06** (2013.01 - US)

C-Set (source: EP US)

EP  
1. **A61K 31/4439 + A61K 2300/00**  
2. **A61K 31/661 + A61K 2300/00**  
3. **A61K 31/70 + A61K 2300/00**  
4. **A01N 43/713 + A01N 37/28 + A01N 37/40 + A01N 37/42 + A01N 41/10 + A01N 43/12 + A01N 43/22 + A01N 43/36 + A01N 43/40 + A01N 43/56 + A01N 43/68 + A01N 43/707 + A01N 43/713 + A01N 43/78 + A01N 43/88 + A01N 43/90 + A01N 47/02 + A01N 47/06 + A01N 47/22 + A01N 47/24 + A01N 47/30 + A01N 47/34 + A01N 47/38 + A01N 47/40 + A01N 47/44 + A01N 51/00 + A01N 53/00 + A01N 57/12 + A01N 57/14 + A01N 57/16 + A01N 57/28 + A01N 57/30 + A01N 57/32 + A01N 63/50 + A01N 63/23**  
5. **A01N 63/50 + A01N 63/23**  
6. **A01N 43/56 + A01N 37/40 + A01N 37/42 + A01N 41/10 + A01N 43/12 + A01N 43/22 + A01N 43/36 + A01N 43/40 + A01N 43/56 + A01N 43/68 + A01N 43/707 + A01N 43/78 + A01N 43/88 + A01N 43/90 + A01N 47/02 + A01N 47/06 + A01N 47/22 + A01N 47/24 + A01N 47/30 + A01N 47/34 + A01N 47/38 + A01N 47/40 + A01N 51/00 + A01N 53/00 + A01N 57/12 + A01N 57/14 + A01N 57/16 + A01N 57/28 + A01N 57/30 + A01N 57/32 + A01N 63/50 + A01N 63/23**

US  
1. **A01N 43/56 + A01N 2300/00**  
2. **A01N 43/713 + A01N 2300/00**  
3. **A61K 31/4439 + A61K 2300/00**  
4. **A61K 31/661 + A61K 2300/00**  
5. **A61K 31/70 + A61K 2300/00**  
6. **A01N 43/713 + A01N 37/28 + A01N 37/40 + A01N 37/42 + A01N 41/10 + A01N 43/12 + A01N 43/22 + A01N 43/36 + A01N 43/40 + A01N 43/56 + A01N 43/68 + A01N 43/707 + A01N 43/713 + A01N 43/78 + A01N 43/88 + A01N 43/90 + A01N 47/02 + A01N 47/06 + A01N 47/22 + A01N 47/24 + A01N 47/30 + A01N 47/34 + A01N 47/38 + A01N 47/40 + A01N 51/00 + A01N 53/00 + A01N 57/12 + A01N 57/14 + A01N 57/16 + A01N 57/28 + A01N 57/30 + A01N 57/32 + A01N 63/50 + A01N 63/23**  
7. **A01N 63/50 + A01N 63/23**  
8. **A01N 43/56 + A01N 37/40 + A01N 37/42 + A01N 41/10 + A01N 43/12 + A01N 43/22 + A01N 43/36 + A01N 43/40 + A01N 43/56 + A01N 43/68 + A01N 43/707 + A01N 43/78 + A01N 43/88 + A01N 43/90 + A01N 47/02 + A01N 47/06 + A01N 47/22 + A01N 47/24 + A01N 47/30 + A01N 47/34 + A01N 47/38 + A01N 47/40 + A01N 51/00 + A01N 53/00 + A01N 57/12 + A01N 57/14 + A01N 57/16 + A01N 57/28 + A01N 57/30 + A01N 57/32 + A01N 63/50 + A01N 63/23**

Citation (search report)  
See references of WO 2011157778A1

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WO2019224143A1; EP2793584B1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**US 2011311503 A1 20111222; US 9198424 B2 20151201**; AR 084394 A1 20130515; AU 2011267053 A1 20130131; AU 2011267053 B2 20150924; BR 112012032415 A2 20150915; CA 2802787 A1 20111222; CA 2802787 C 20200225; CL 2012003573 A1 20130517; CN 103068235 A 20130424; CN 103068235 B 20160420; CY 1118712 T1 20170712; EP 2582242 A1 20130424; EP 2582242 B1 20161228; ES 2619566 T3 20170626; JP 2013528634 A 20130711; JP 2016216490 A 20161222; JP 6069193 B2 20170201; KR 101808079 B1 20180118; KR 20130114080 A 20131016; MX 2012014957 A 20130212; MX 341267 B 20160809; PL 2582242 T3 20170630;

PT 2582242 T 20170323; RU 2013102111 A 20140727; RU 2596929 C2 20160910; TW 201210482 A 20120316; TW I516205 B 20160111;  
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DOCDB simple family (application)

**US 201113161960 A 20110616;** AR P110102099 A 20110616; AU 2011267053 A 20110616; BR 112012032415 A 20110616;  
CA 2802787 A 20110616; CL 2012003573 A 20121218; CN 201180039524 A 20110616; CY 171100311 T 20170310;  
EP 11725462 A 20110616; EP 2011059988 W 20110616; ES 11725462 T 20110616; JP 2013514713 A 20110616; JP 2016139163 A 20160714;  
KR 20137001060 A 20110616; MX 2012014957 A 20110616; PL 11725462 T 20110616; PT 11725462 T 20110616; RU 2013102111 A 20110616;  
TW 100121137 A 20110617; US 201514887638 A 20151020; ZA 201300464 A 20130117